

Body Systems WebQuest!

System: The Integumentary System

Go to the following website and read about this system. Use what you've read to help you answer the questions below.

<http://www.innerbody.com/anatomy/integumentary>

1. What is the major organ of the integumentary system? _____
2. Approximately how much surface area does this organ cover? _____
3. What are the 3 layers within this organ?
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 -
4. List 4 accessory structures found within this system.
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5. What are the main functions of this system?

Skeletal & Muscular Systems:

<http://healthyliving.azcentral.com/skeletal-system-works-muscular-8158.html>

6. What is the main function of both skeletal and muscular systems?

7. Approximately how many muscles are there in our bodies? _____
8. Bones? _____
9. What type of muscle makes up the heart and why do you think this is so?
10. What other body system plays a direct role in moving muscles?

Nervous System:

Watch the following video to help you answer the questions.

<http://www.gamequarium.org/cgi-bin/search/linfo.cgi?id=3770>

11. Why is the nervous system like a "telegraph"?
12. What are the 2 parts of the Central Nervous System (CNS)?
13. What is the peripheral nervous system?

14. What functions are controlled by the autonomic nervous system?

Cardiovascular System

Watch the following video to help you answer the questions.

<http://www.nlm.nih.gov/medlineplus/ency/anatomyvideos/000023.htm>

15. What are the main components of the cardiovascular system?

16. How much blood does the average adult contain? _____

17. What is the main function of blood?

18. What are the different components of blood?

Respiratory System

<http://www.fi.edu/learn/heart/systems/respiration.html>

19. What is the main function of the respiratory system?

20. What organs are involved in carrying out these functions?

21. What are the differences between the systemic and pulmonary circuits? (click on these tabs in the menu on the right)

Digestive System

Read the following article and answer the questions.

<http://www.innerbody.com/image/digeov.html>

22. What is the purpose of the digestive system?

23. What are the main organs of the alimentary canal?

24. List the accessory organs of the digestive system and explain why they are called “accessory”.

25. Define the term “peristalsis” and explain why it is important.

Excretory System

<http://www.livescience.com/27012-urinary-system.html>

26. What is another name for the urinary system? _____

27. What is the purpose of the urinary system?

28. Give some examples of factors that can affect the amount of urine excreted each day.

29. What are the main components of the urinary system?